

DENNIS-YARMOUTH'S MATHEMATICS PROFESSIONAL DEVELOPMENT FOR TITLE I TEACHERS

Instructional Coaching with a Lesson
Study Model

Fall Title I & Title IIA Statewide Conference
November 3, 2016

MASSACHUSETTS DEPARTMENT OF
ELEMENTARY AND SECONDARY
EDUCATION



Demographics for Dennis-Yarmouth Regional School District

| School Year | Low Income | Special Education | English Learners |
|-------------|------------|-------------------|------------------|
| 2012-13 | 44.6 | 17.0 | 6.5 |
| 2013-14 | 42.0 | 16.0 | 8.0 |
| 2014-15 | 48.1 | 16.5 | 12.8 |
| 2016-17 | 55.6 | 19.0 | 11.1 |



Promoting a Culture of Professional Knowledge

- ★ Focusing on results and learning from experience.
- ★ Collaborating as we learn math content and pedagogy.
- ★ Sharing a vision of teaching mathematics.
- ★ Having coherence of PD with learning needs.
- ★ Sharing commitment to closing learning gaps.



Lesson Study

- ★ Lesson Study provides a forum for teachers to learn from one another while working as a team toward continuous improvements in student learning.
- ★ All efforts to improve lessons are evaluated and revised based on student thinking and learning.



Our Model

- ★ **1. STUDY: Working from the Eureka Math Curriculum teachers study the big ideas of the module (including content and practice standards).**

What are the big ideas in the module? Where will our students have trouble? Which foundational standards impact this learning?



Our Model

- ★ **2. PLAN the lesson. Eureka Math Curriculum provides embedded differentiation.** What is the learning goal? What will be challenging in the content? What are the language objectives? Which problems will the students complete to practice accurately the targeted math strategies and concepts? Which tool (manipulative or drawing) can we use to represent the math ideas?



Our Model

- ★ **3. Lesson Delivery: District Math Coach Conducts the lesson. Title One Teachers observe and collect data on student talk and work.** Teachers scribe what are students saying and doing to represent their thinking.



Our Model

- ★ **4. REFLECT: Share observations of student work and discuss the impacts of the instruction.** Did the students meet the learning objective? How do we know? What do we see in student work (written and spoken)? Are there lingering confusions? How can we improve upon the lesson?



Questions?

Lesson Study



"Lesson study is really as much of a culture as it is a professional development practice."